

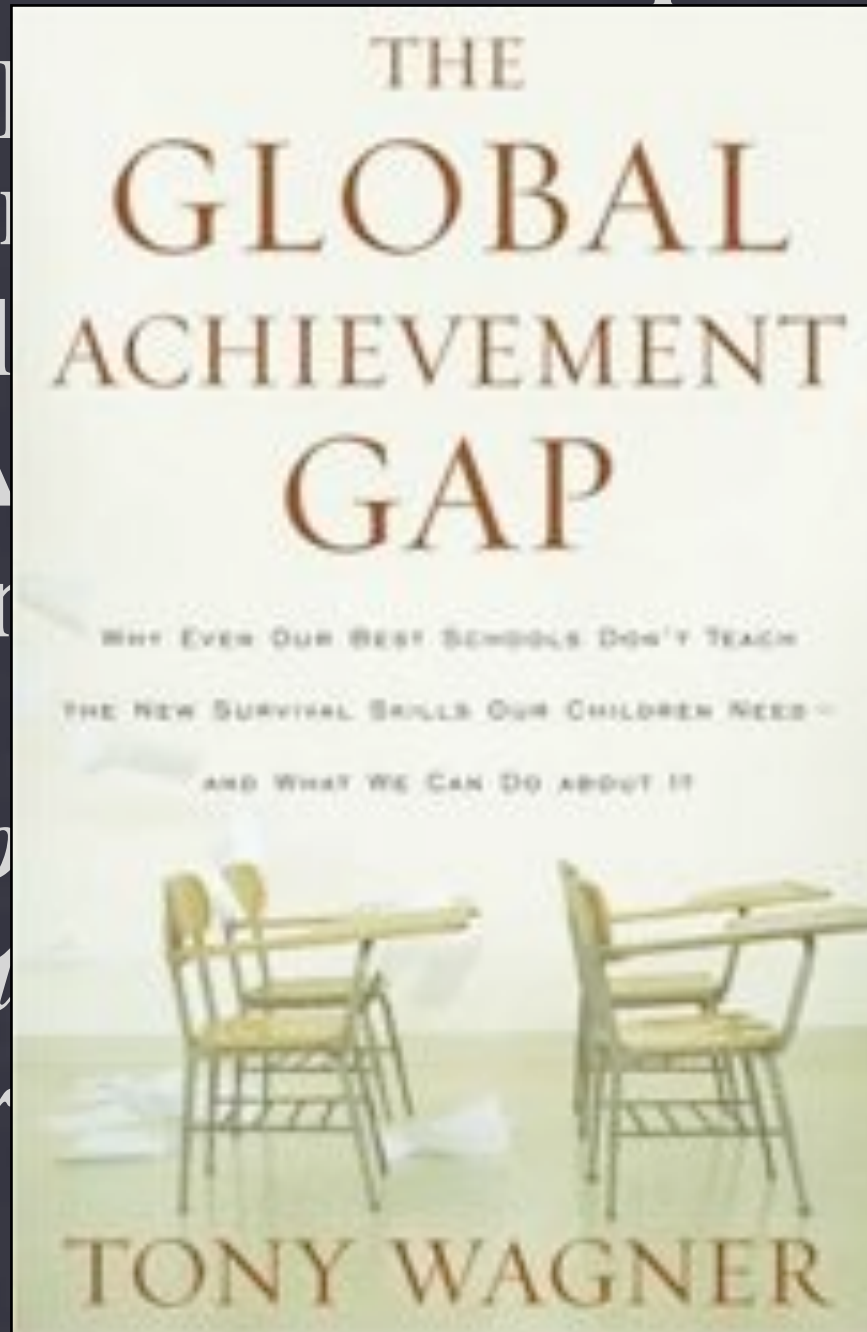
Engaging 21st Century Students

Joe Wood
San Juan Unified School District



1. Critical Thinking & Problem Solving
2. Collaboration & Leadership
3. Agility & Adaptability
4. Initiative & Entrepreneurship
5. Effective Oral & Written Communication
6. Accessing & Analyzing Information
7. Curiosity & Imagination

“Its time to hold on to our new and higher standards to 21st Century curriculum”



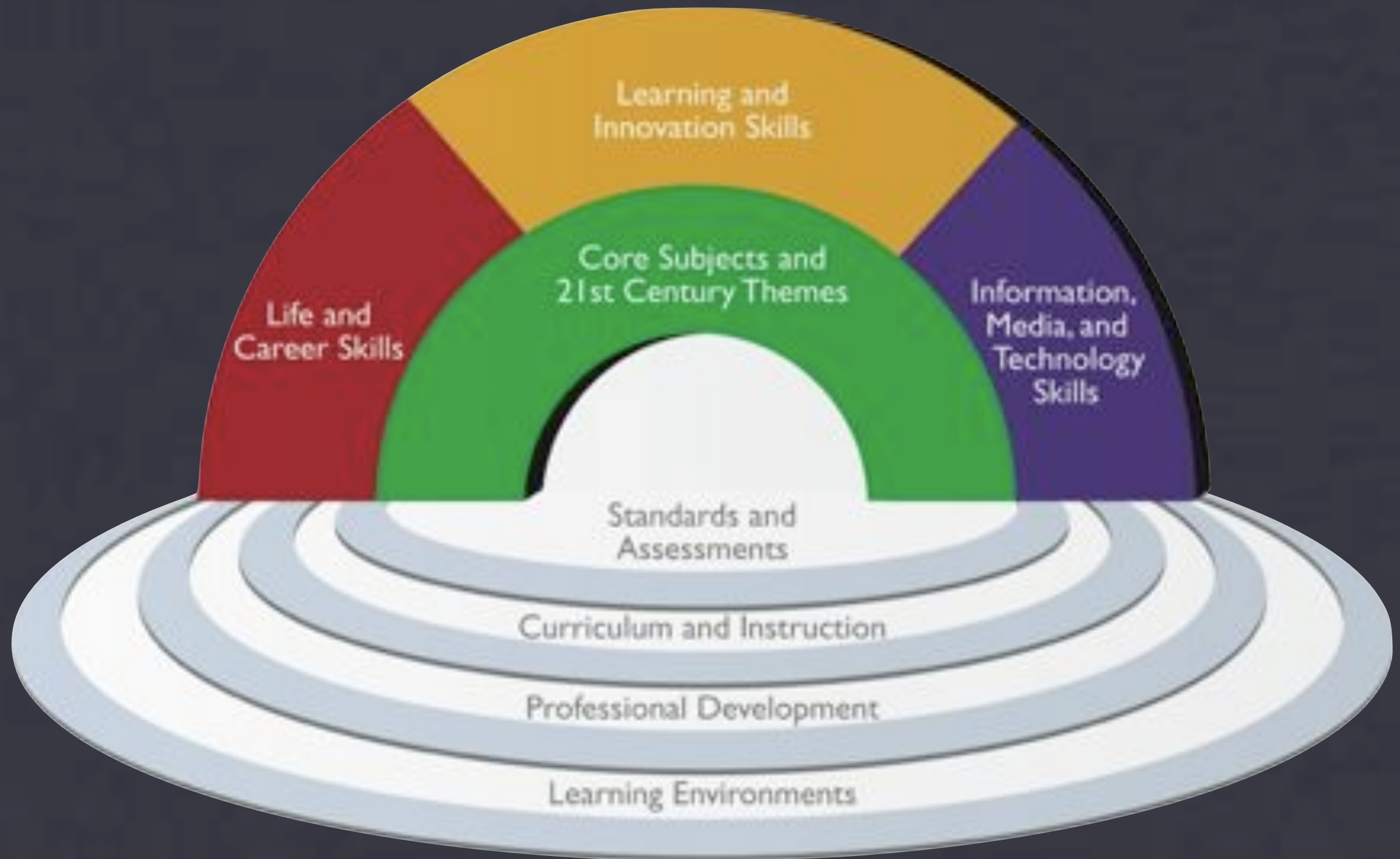
“Our students to a new standard of learning”



Tony Wagner
The Global Achievement Gap



© 2007 International Society for Technology in Education. ITED is a registered trademark of the International Society for Technology in Education. All rights reserved. No part of this book may be reproduced or transmitted in any form or by any means—electronic, mechanical, photocopying, recording, or by any information storage or retrieval system—without prior written permission from the publisher, Corwin Press, Inc., 1515 New Building, Suite 300, Eugene, OR 97401-2004. Tel: 1-800-426-7700 or email: permissions@corwin.org or visit www.corwin.org/permissions



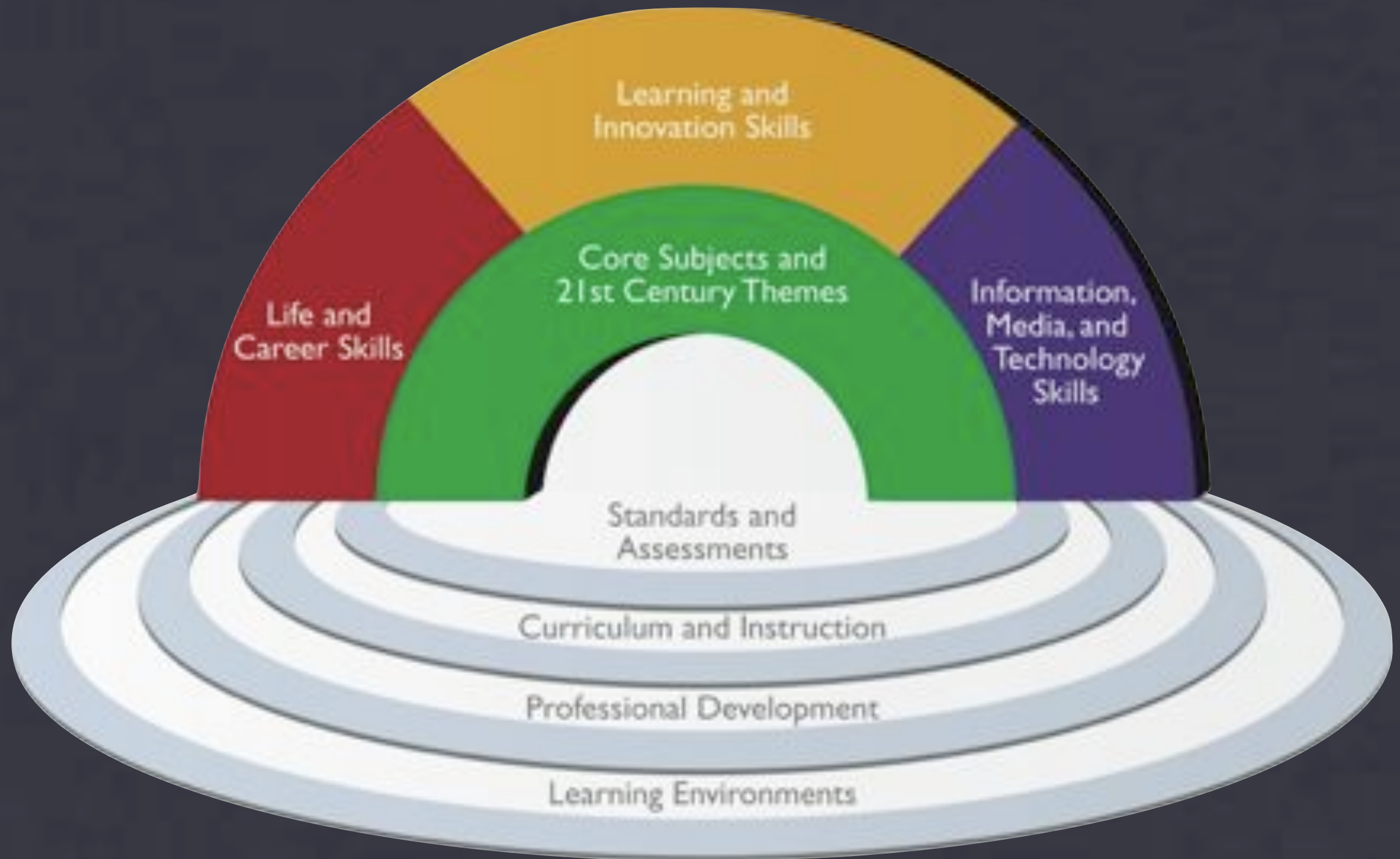
Partnership for 21st Century Skills

“And I’m calling on our nation’s governors and state education chiefs to develop standards and assessments that don’t simply measure whether students can fill in a bubble on a test, but whether they possess 21st Century Skills like problem-solving and critical thinking and entrepreneurship and creativity.”



President Barack Obama
March 10, 2009



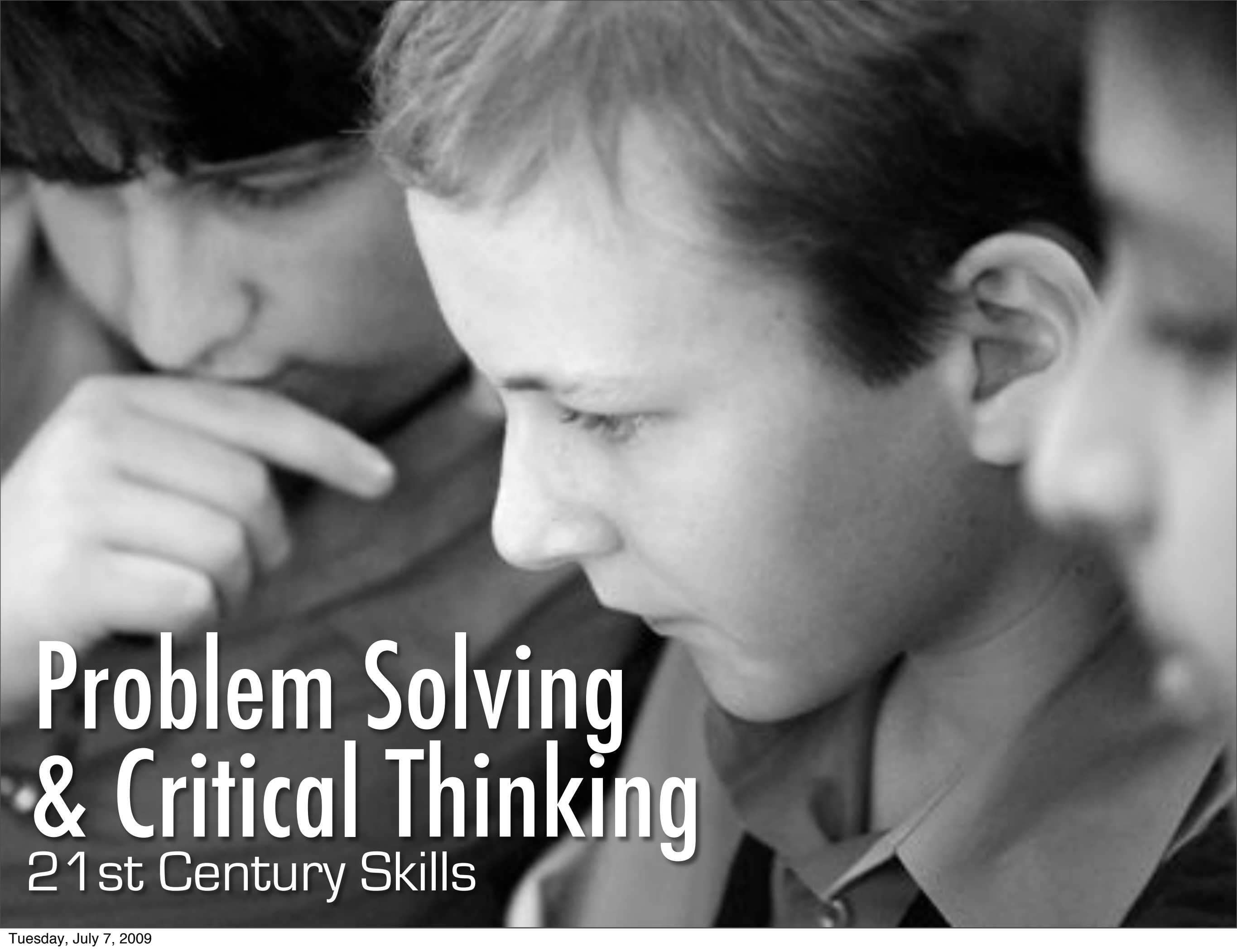


Partnership for 21st Century Skills

Global Awareness

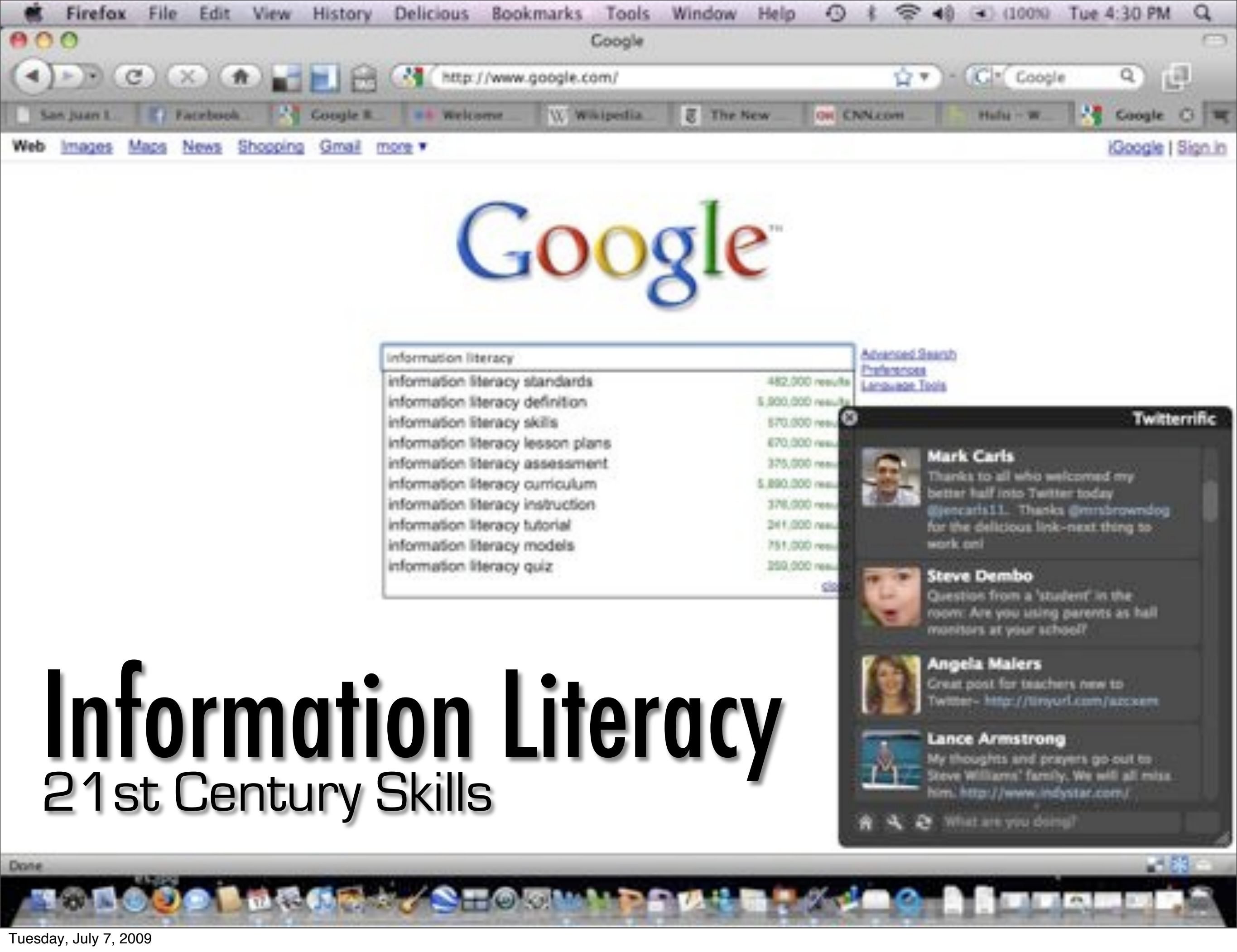
21st Century Skills





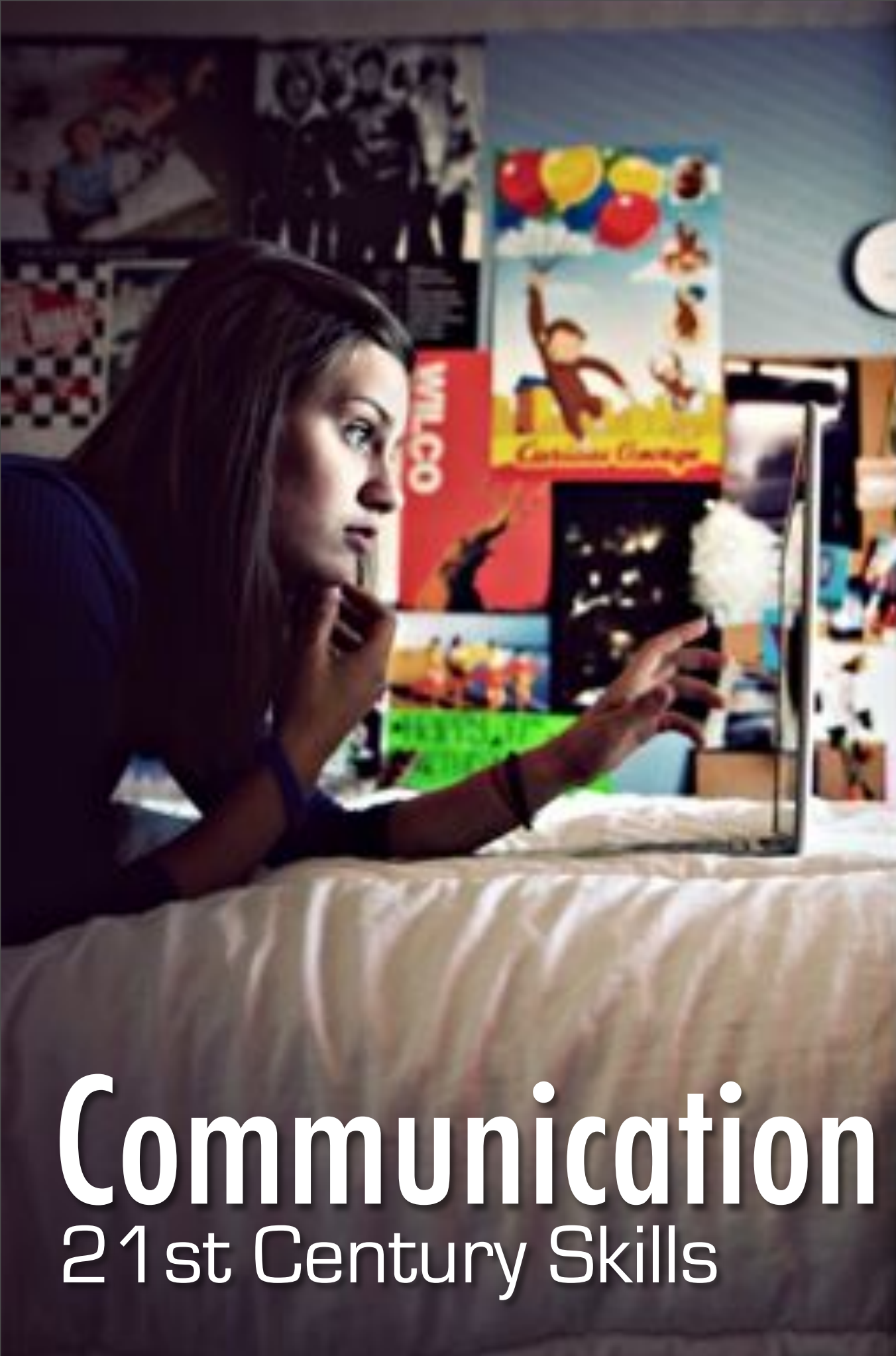
Problem Solving & Critical Thinking

21st Century Skills



Information Literacy

21st Century Skills



Communication & Collaboration

21st Century Skills



Media & Technology Literacy

21st Century Skills



Ethical Online Behavior

21st Century Skills

Engaging Digital Students





“Why should I go to the library? There’s better stuff on the Internet.”

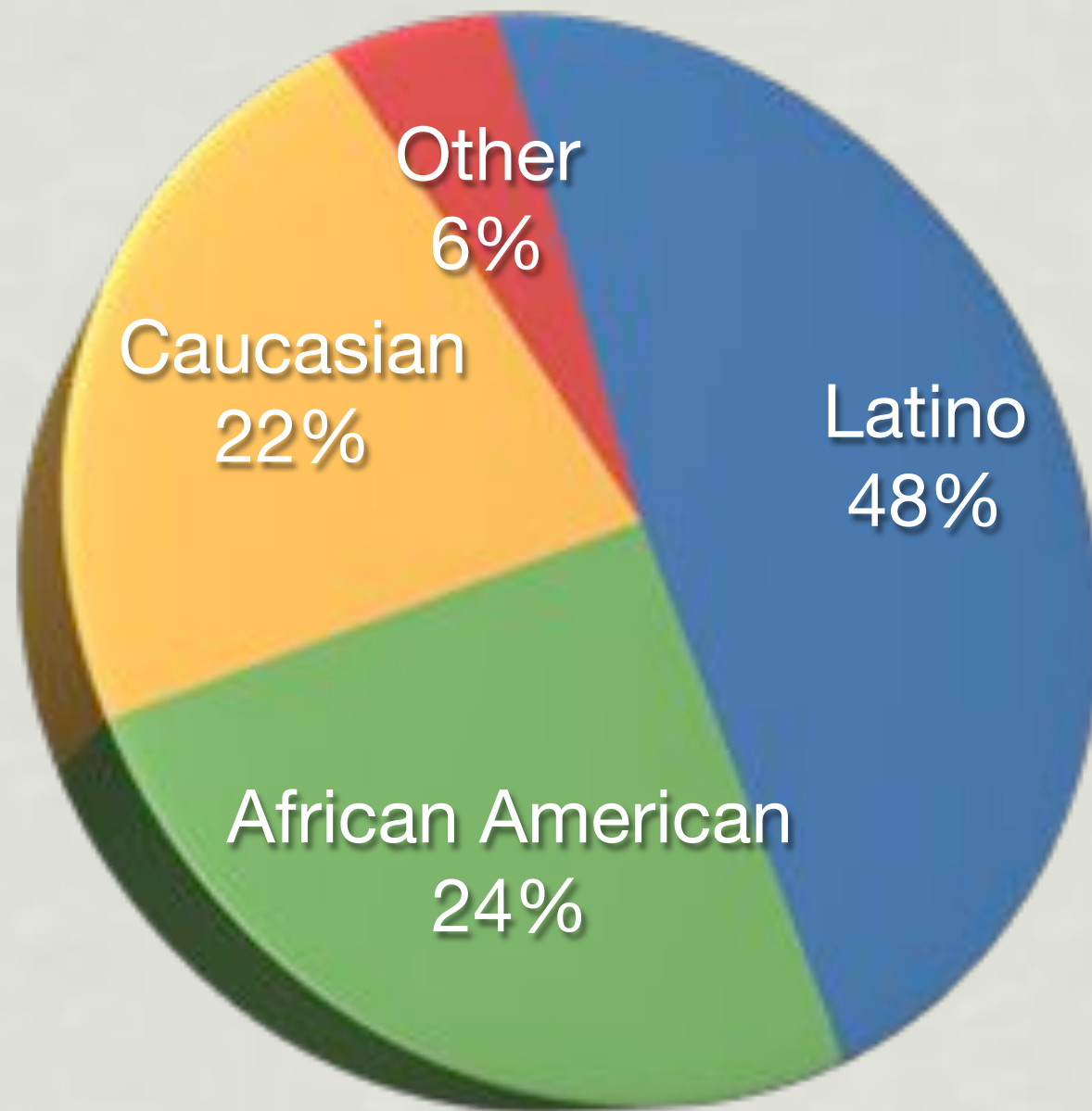
“I only go to the library for Internet access.”

“Email is for nerds! If I want to talk to someone I’ll just send them a message on MySpace.”

“I only got an email to get a MySpace page.”



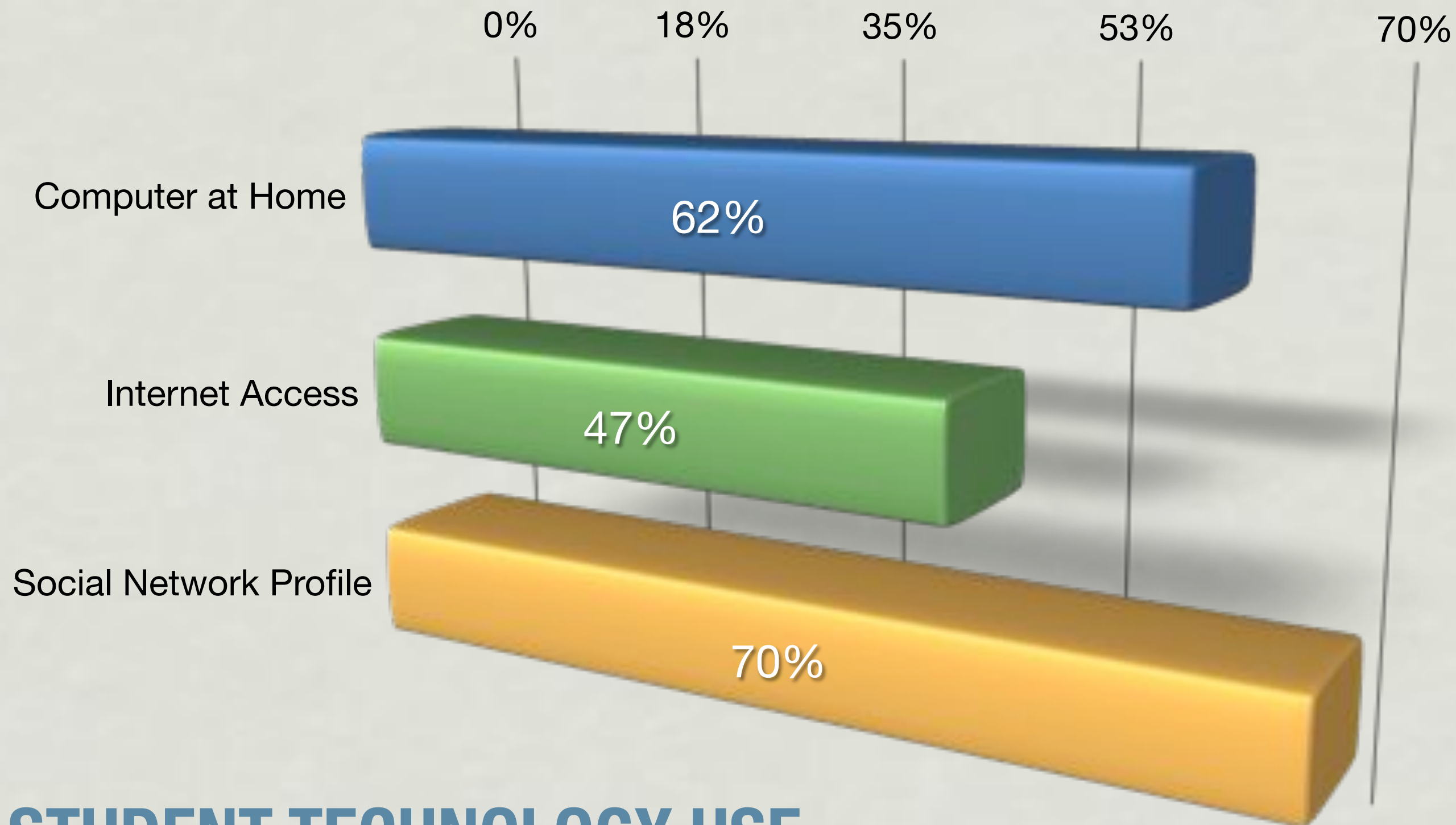
STUDENT POPULATION AT JSHTA



✱ 96.5% Free & Reduced Lunch

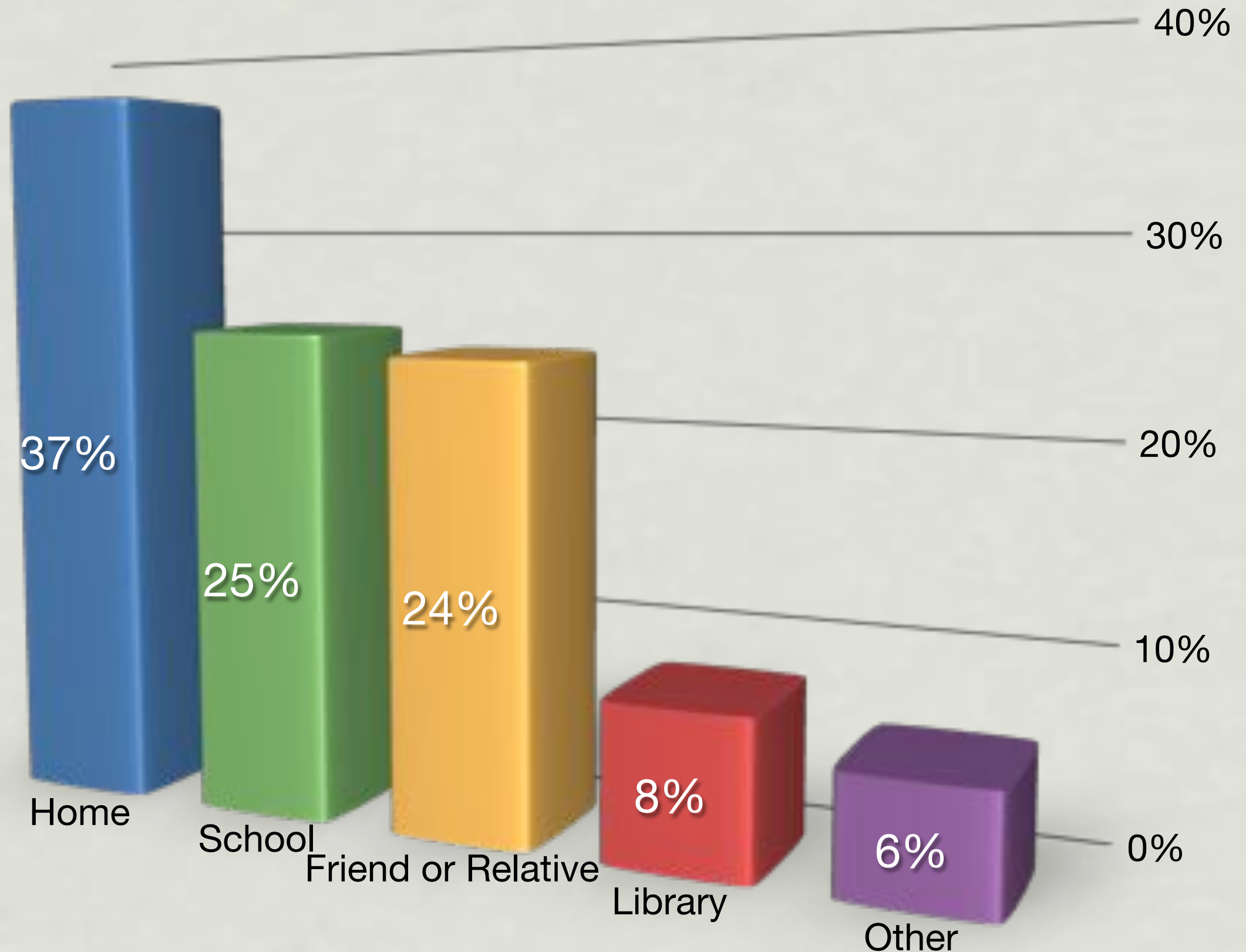
✱ 33% English Learners

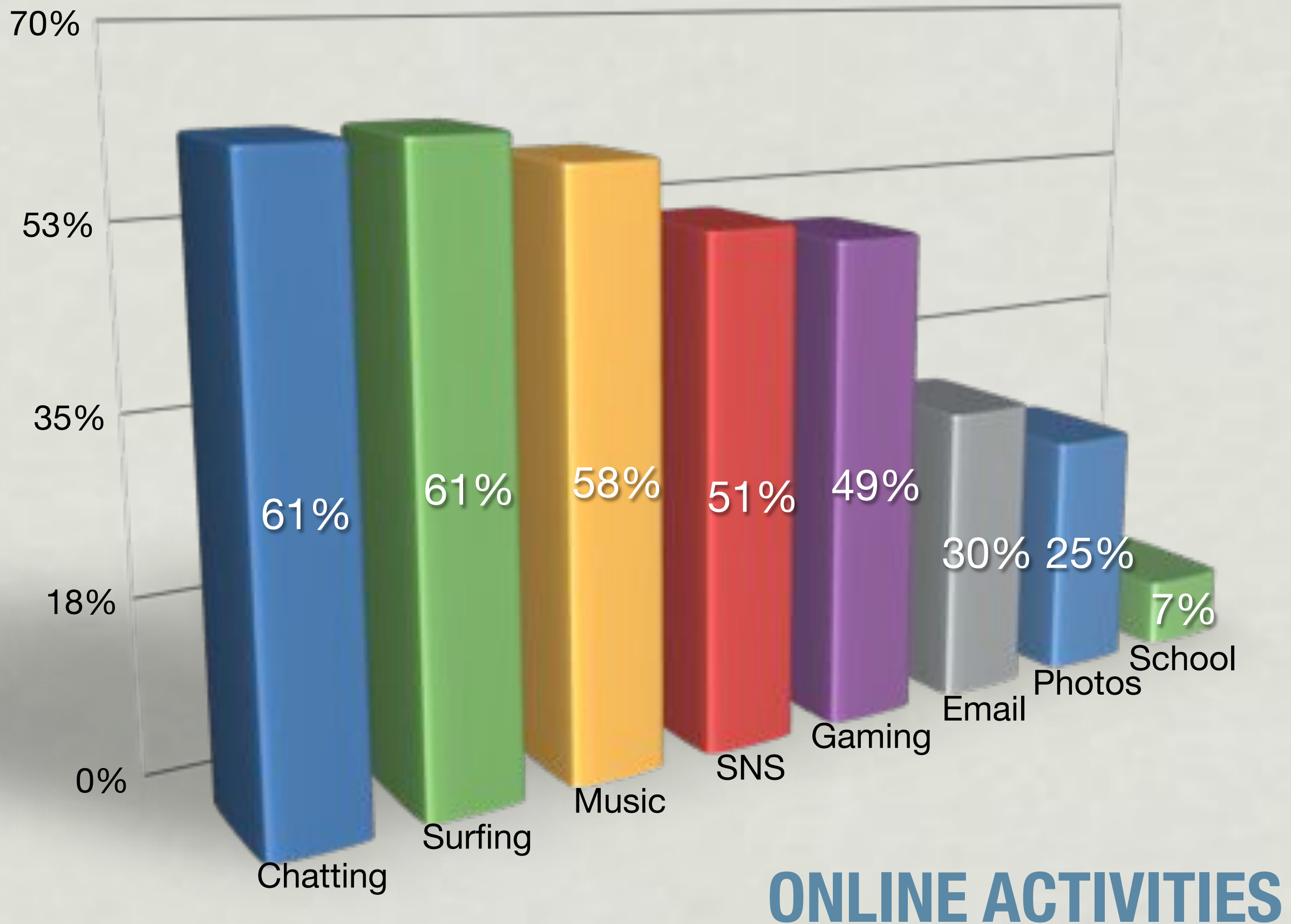
CDE DataQuest - 2007/2008 School Year



STUDENT TECHNOLOGY USE

WHERE ARE THEY ACCESSING THE INTERNET?







Our
Students

Activity grid: Online pursuits by generation

	Gen Y	Gen X	Younger Boomers	Older Boomers	Silent Generation	G.I. Generation
1	Email	Email	Email	Email	Email	Email
2	Search	Search	Search	Search	Search	Search
3	Research product	Research product	Research product	Get health info	Research product	Get health info
4	Get news	Get health info	Get health info	Research product	Get health info	Make travel reservations
5	Watch video	Buy something	Get news	Buy something	Make travel reservations	Research product
6	Buy something	Get news	Make travel reservations	Get news	Visit gov't site	Buy something
7	Get health info	Make travel reservations	Buy something	Make travel reservations	Buy something	Get news
8	Visit gov't site	Bank	Visit gov't site	Visit gov't site	Get news	Visit gov't site
9	Bank	Visit gov't site	Research for job	Bank	Bank	Get religious info
10	Research for job	Research for job	Bank	Research for job	Research for job	Bank
11	Create SNS profile	Watch video	Watch video	Get job info	Get religious info	Bank
12	Bank	Get job info	Get job info	Watch video	Play games	Play games
13	Download music	Download music	Download music	Download music	Download music	Download music
14	Bank	Bank	Bank	Bank	Bank	Bank
15	Visit gov't site	Visit gov't site	Visit gov't site	Visit gov't site	Visit gov't site	Visit gov't site
16	Research for job	Research for job	Research for job	Research for job	Research for job	Research for job
17	Play games	Play games	Play games	Play games	Play games	Play games
18	Read blog	Read blog	Read blog	Read blog	Read blog	Read blog
19	Download video	Read blog	Download music	Download music	Download video	Research for job
20	Rate product	Download video	Download video	Download video	Get job info	Auction
21	Get religious info	Auction	Visit SNS	Podcast	Visit SNS	Create blog
22	Auction	Create SNS profile	Podcast	Visit SNS	Podcast	Download music
23	Podcast	Podcast	Create SNS profile	Create SNS profile	Create blog	Visit SNS
24	Create blog	Create blog	Create blog	Create blog	Create SNS profile	Create SNS profile
25	Visit virtual world	Visit virtual world	Visit virtual world	Visit virtual world	Visit virtual world	Visit virtual world

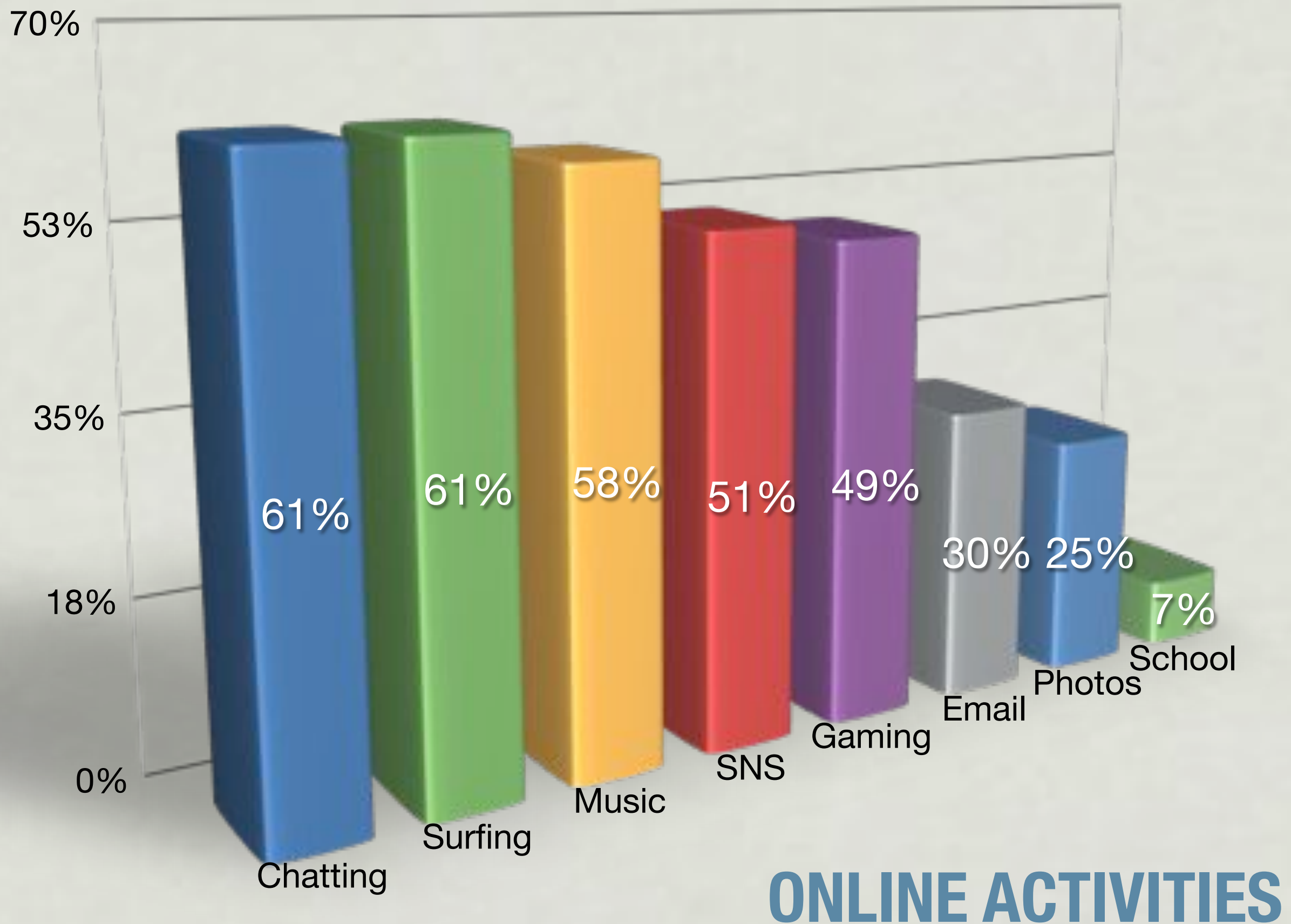
Joe

School Site
Officials

School District
Officials

Above this line, over
50% of internet users
in the given generation
engage in this online
activity (see table on slide
10 for percentages)

Key: % of internet users in each generation who engages in this online activity	
90-100%	
80-89%	
70-79%	
60-69%	
50-59%	
40-49%	
30-39%	
20-29%	
10-19%	
0-9%	



Web 2.0 Tools

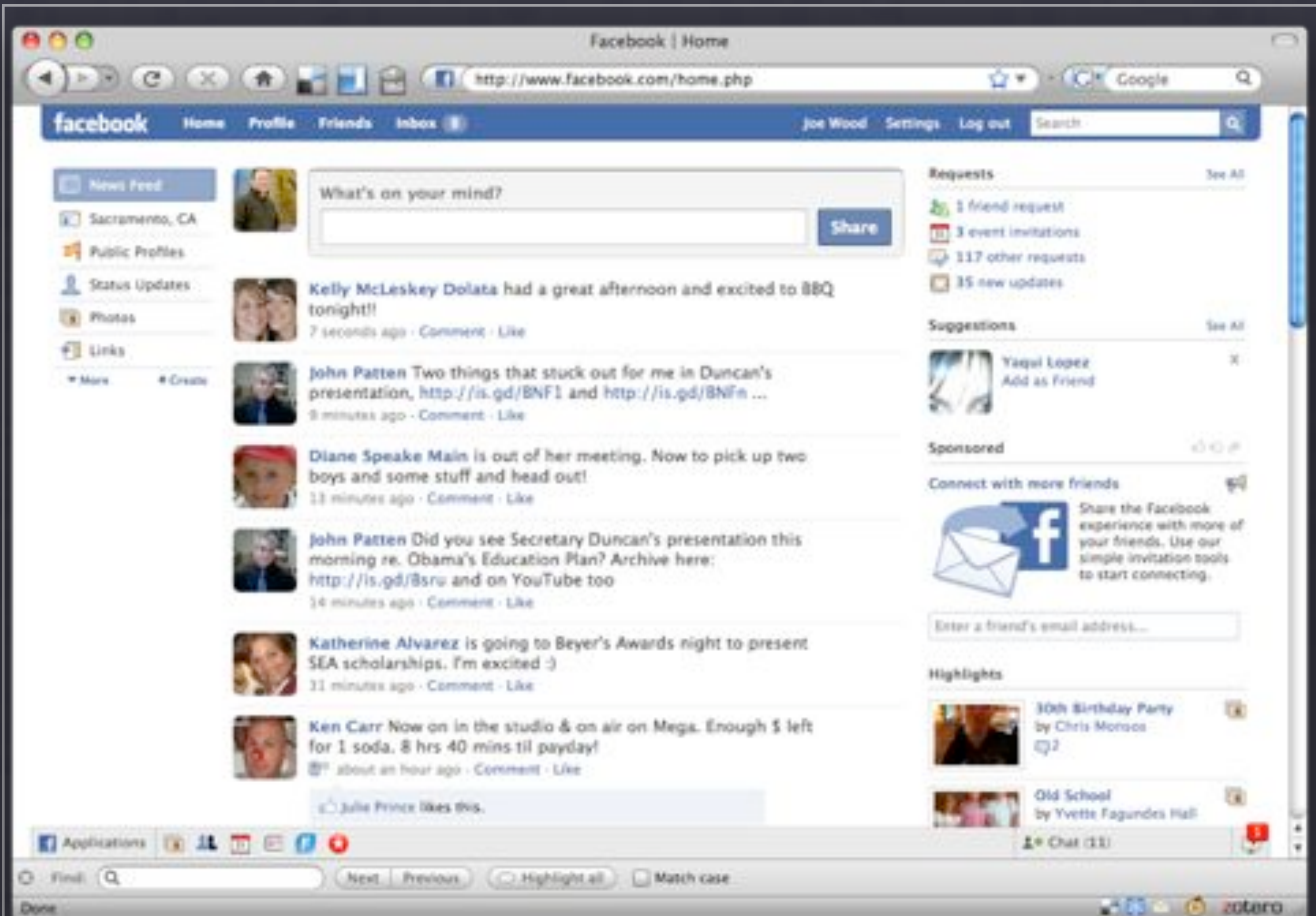
4 Categories for Engaged Learning



Social Networking

“Educational Networking”





"If you do anything in the public sphere you now need some kind of presence on Facebook...10s of millions in the US, 150 million world wide."

"You ignore Facebook at your own peril."



Andy Carvin, NPR Senior Strategist for Social Media
Five Years of Facebook - NPR Feb. 7, 2009

San Juan ITMC

Instructional Technology Mentorship Collaborative

[Main](#) [Invite](#) [My Page](#) [Members](#) [Photos](#) [Videos](#) [Forum](#) [Events](#) [Blogs](#) [Groups](#) [Manage](#)

Members

[Edit](#)[+ Invite More](#)[View All](#)

Groups

[Edit](#)[Web 2.0](#)

Welcome to your new social network, Joe Wood!

Here are a few things you can do right now...

[Invite friends](#)[Add photos](#)[Add a video](#)[Add Applications](#)[Make it unique](#)

Now that I'm a Member What's Next?

[Edit](#)

Customize Your Page

Click on [My Page](#) and check out your profile page. Using the [Settings](#) link adjust your information, share a little about yourself with the other members of the community, and most importantly add a profile picture!

Join a Group

Click on the [Groups](#) tab and see if there is a group you would like to join or start one for your school site or subject area.

Participate in a Forum

Click on the [Forum](#) tab and take a look at the instructional technology discussions that have already started. Perhaps you're curious about 21st Century Skills, Web 2.0

Joe Wood

[Sign Out](#)[Inbox](#)[Alerts](#)[Friends \(0 request\)](#)[Settings](#)[Quick Add...](#)

Ads by Google

[New Obama Stimulus Checks](#)

Obama passed the new stimulus plan and I got my \$12k check

[www.officialstimuluspayments.com](#)

[Pimp My Profile \(Free\)](#)

Get Layouts, Backgrounds & Glitter
Download Now to Pimp Your Profile!

San Juan ITMC chat

3 members online





[Sign up](#) | [Login](#) | [Help](#)

[home](#)

[students](#)

[colleges](#)

[counselors](#)

[scholarships](#)



Dear student,
Showcase yourself to your dream college.

Dear admissions officer,
Showcase your college to your dream student.

[Take the Tour](#)

[Get Started](#)



\$20k.

64 students.

**your
vote.**

match
madness
zinchified



What's Zinch?

Shine during college admissions.

Colleges using Zinch.

648+ and counting.



Blogs



AHS Learning Network

http://arapahoe.littletonpublicschools.net/LEARNINGNETWORK/tabid

Google

Home Parent Portal Contact AHS Staff Fileway

ARAPAHOE High School

Web Site search

TEACHER PAGES ACTIVITIES LIBRARY **LEARNING NETWORK** ALUMNI **for Parents** **for Students** **for Staff**

Join the conversation . . .

Latest Teacher Blog Posts

- [Bridging the Gap](#)
from Kitch's Blog
- [LC week 10](#)
from Learning and Laptops
- [What is riding on the CSAP scores?](#)
from Kitch's Blog
- [LC Week 9](#)
from Learning and Laptops
- [Dual Feedback Cycle 3 Round 3](#)
from Learning and Laptops
- [Wikified Research Paper-Year 2](#)
from Learning and Laptops
- [ED 665: Week 9](#)
from Learning and Laptops
- [Joy to the Wordle](#)
from Kristin's Blog
- [LC Week 8](#)

- [The Invention of Air, PLNs, and School Transformation](#)
from The Fishbowl
- [Joy to the Wordle](#)
from Kristin's Blog
- [I Read the \(Rocky Mountain\) News Today, Oh Boy](#)
from The Fishbowl
- [We Need Schools That 'Train' Our Judgment](#)
from Bridging Differences
- [The Miracle Teacher, Revisited](#)
from Bridging Differences
- [AWNM Video Conference: Tech Setup, Ustream Archive...](#)
from The Fishbowl
- [Completing My Technology Puzzle](#)
from Kitch's Blog
- [This SLA Students Believe](#)
from Practical Theory
- [Long-Handled Spoons and Collaborative Technologies](#)
from Steve Hargaden
- [Emotionally intelligent signage keeps on trucking](#)
from Daniel Pick

Latest Class Blog Posts

- [Relationships...](#)
from Smith 9H 08-09
- [Kite Runner Thoughts: Part One](#)
from Leclair's English 10 Blog
- [Initial R & J Thoughts](#)
from Montz's 9th Honors Class Blog
- [Her Letter to the World](#)
from Leclair's 6th Hour Honors American Lit Blog
- [Her Letter to the World](#)
from Leclair's 4th Hour Honors American Literature
- [Fun Filled Fishbowl Wednesday March 4, 2009!!](#)
from Smith EWL 08-09
- [Fishbowl 17-20 Question](#)
from Smith EWL 08-09
- [Wednesday March 4th](#)

[Chelsea's Wiki](#)[Jordan's Wiki](#)[Oliviah's Wiki](#)[Shannon's Wiki](#)[Emily's Wiki](#)

Blog Archive

▼ 2009 (8)

▼ March (1)

[Her Letter to the World](#)

► February (2)

► January (3)

► 2008 (16)

About Me

KRISTIN L.

My favorite place in the world to be is underwater. My second favorite place is the front of a classroom.

[View my complete profile](#)

alex said...

I think that she's trying to say that she has discovered lots throughout her lifetime, yet nothing was easy. The world never gave her a "letter" that told her plainly and simply how to succeed. Instead, she had to try and fail for herself. I also think that she's trying to say that "Nature" knows how to break the news or tell the truth kindly and gently, but Emily Dickinson has never experienced that simplicity. Dickinson knows that the truth (and the right way to tell it) is out there, but she does not know where: "To hands I cannot see..." Finally, at the end, I think she's saying that if you love and respect nature, break the news gently. Be sensitive!

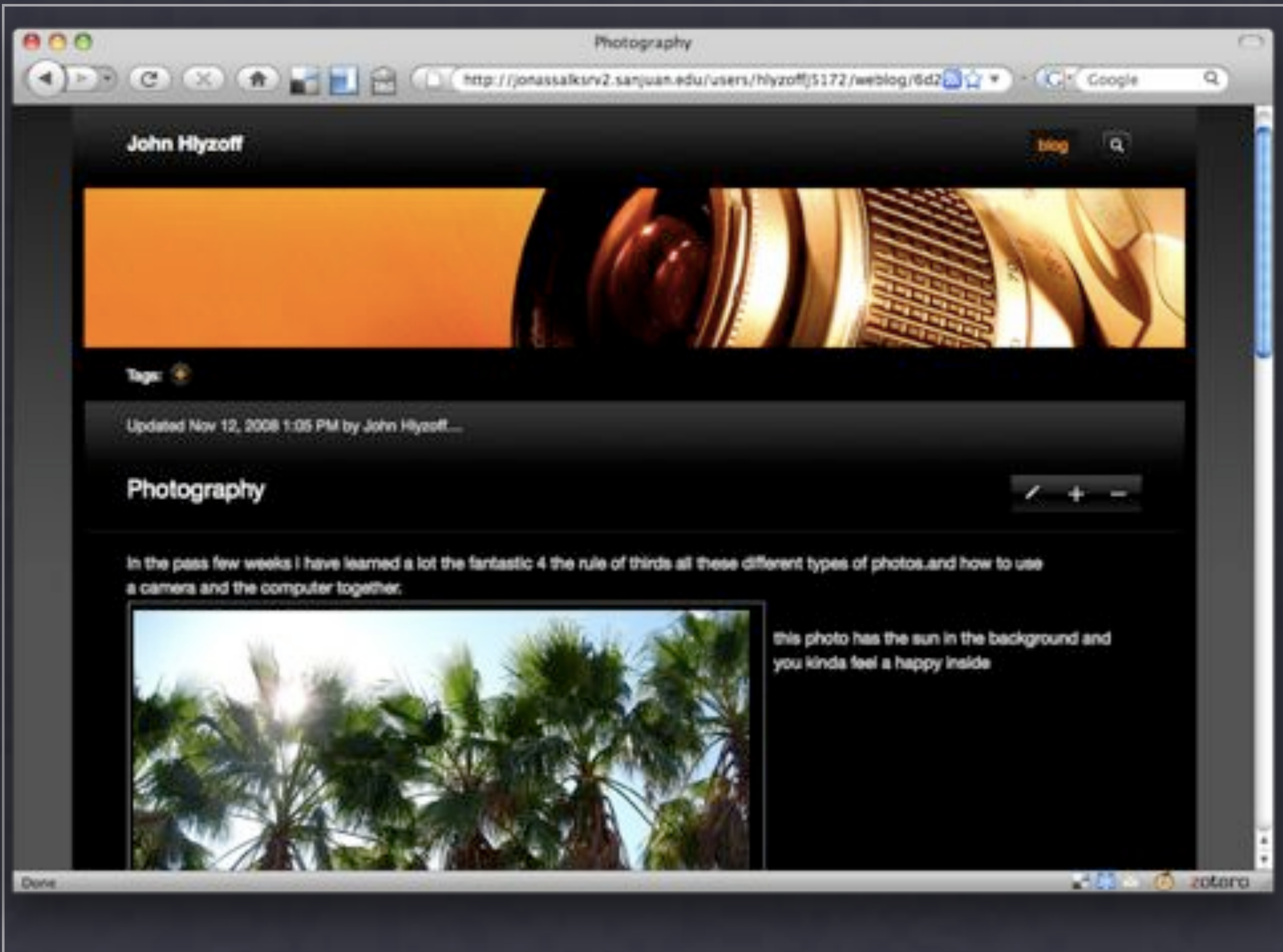
As for her overall appearance, she seems very shy and quiet. This is because Dickinson is wearing all black and sophisticated clothes. Especially with her very pale skin, she looks reserved. As for her expression, she looks as if she is about to ask a very complex and deep question. Her eyes seem to say, "this question is BIG! Don't answer too fast!" Her hands also seem to be fidgeting with something, as if she were nervous.

March 5, 2009 12:58 PM

kennaw said...

As a poet and a person, Emily Dickinson seems passionate about life. I think this poem is talking about her appreciation of nature and the beauty that it brings, or "her" beauty referring to mother nature. It seems that because of its beauty it gives something back to her without it being asked for. So, therefore she's passionate about life. The pictures strikes me as a woman who is thinking and is interested. The expression seems calm, but intelligent in thought. her look is simple yet the pattern on it shows the complexity of her thoughts.

March 5, 2009 1:04 PM



Video Sharing



YouTube - Broadcast Yourself.




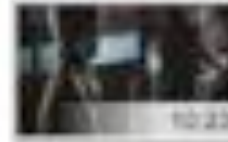
http://www.youtube.com/ Google

You Tube Broadcast Yourself™
Worldwide | English


[Sign Up](#) | [QuickList \(0\)](#) | [Help](#) | [Sign In](#)

[Home](#) [Videos](#) [Channels](#) [Community](#) [Search](#) [Upload](#)


Videos being watched right now...

 1:26  3:52  4:32  1:16  10:23

Promoted Videos

 **Ra Ra Riot Live @ Noise Pop 2009**
259 views
Noisepop

 **Best Baby Laugh**
13,189,908 views
gkandel


 **Frukosten - the Breakfast**
32,890 views
VarnlandsFilmforbund

 **Ocean vs Building**
146,300 views
EscapePodFilms


Featured Videos [See More Featured Videos](#)


[Featured](#) | [Most Viewed](#) | [Most Discussed](#) | [Top Favored](#)

 **Ra Ra Riot Live @ Noise Pop 2009**
Ra Ra Riot at Noise Pop 2009 - The Independent, 2/27/2009, San Francisco CA. For
★★★★☆ 259 views Noisepop

 **Port O'Brien at Noise Pop 2008**
Port O'Brien at Noise Pop 2008 - Cafe Du Nord, 3/1/2008, San Francisco CA. For
★★★★☆ 203 views Noisepop

THE U.S. CONGRESS ON YouTube

 0:00 / 1:43

 **Welcome to Congress, YouTube**
★★★★☆

Advertisement

Want to customize this homepage?
[Sign up for a YouTube Account](#)

[Sign in with your Google Account!](#)

What's New



THE PERIODIC TABLE OF VIDEOS

The University of
Nottingham

Click on any element to launch video

= recently updated

H																	He
Li	Be											B	C	N	O	F	Ne
Na	Mg											Al	Si	P	S	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba	*	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra	**	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Uub	Uut	Uuq	Uup	Uuh	Uus	Uuo
			La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
			Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr

CLICK HERE FOR PICTURES FROM OUR RECENT AFRICA TRIP
Videos from the trip will be coming soon

 Search

HOME

WELCOME

TAKE A LOOK

YouTube - Sodium - Periodic Table of Videos

http://www.youtube.com/watch?v=Yv5kXd_VYrk&url=http://cnn i report

YouTube Broadcast Yourself™ Worldwide | English Sign Up | QuickList (0) | Help | Sign In

Home Videos Channels Community Search Upload

Sodium - Periodic Table of Videos



0:36 / 4:41 watch in high quality

Rate: ★★★★★ 327 ratings Views: 172,327

Share Favorite Playlists Flag

Download MP4

Transferring data from v9.cache.googlevideo.com

BASED ON TRUE EVENTS
THE HAUNTING
IN CONNECTICUT
IN THEATERS MARCH 27

Some things cannot be explained.

CLICK TO WATCH TRAILER

HauntingInConnecticut.com

Advertisement

THE PERIODIC TABLE OF VIDEOS

periodicvideos
July 05, 2008
(more info)

Subscribe

Famously reactive, but for one scientist sodium is a "motherly" element? Videos about all the elements at <http://www.periodicvideos.com/>

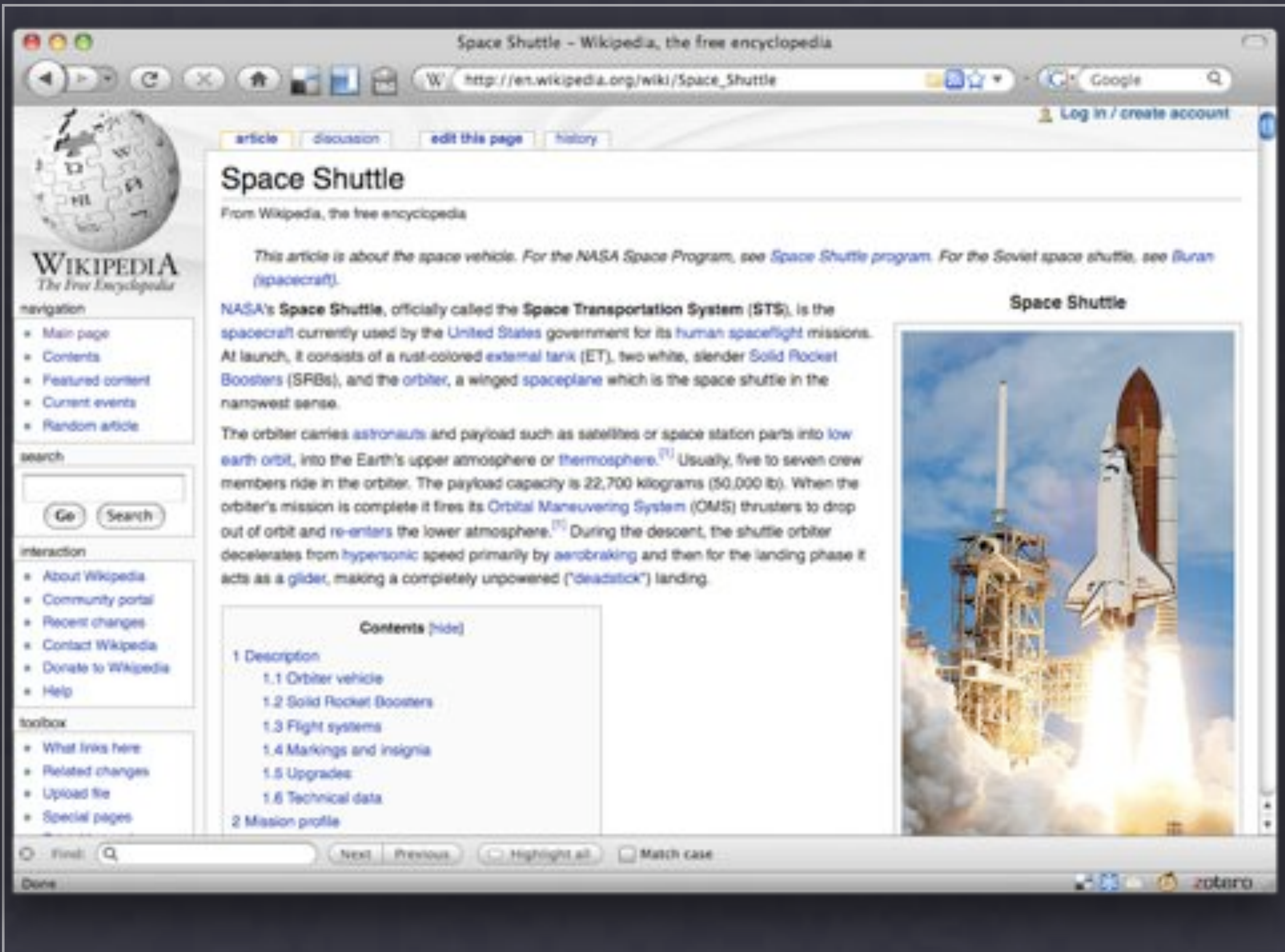
URL: http://www.youtube.com/watch?v=Yv5kXd_VYrk

Embed: `<object width="425" height="344"><param src=`



Wikis





brokenworld - A Broken World

http://brokenworld.wikispaces.com/A+Broken+World

guest · Join · Help · Sign In · wikispaces

Redirected from the home page

★ **A Broken World** Protected page discussion (7) history notify me

A History Wiki From the Beginning of World War I to the Cold War

The world was shattered once -- and then shattered once more...


In the early 20th century, the world self-destructed. It was a time of rapid change, power struggle, and devastation. The biggest wars were fought; the most lives were lost. As world-dominating ideologies sprung forth, nations had an unstable fate. Whether they would be able to fight violent revolutions, whether they would be dominated by another country, or whether they would fall to the ravages of war--were the fears of these nations. Many of these fears became reality; the world fell to pieces.

This wiki textbook is student-created. Students got away from the paper textbooks and made their own digital textbook by compiling written work, online images, and online videos on this "A Broken World" wiki to share with you history's "climax". In this wiki, we, the students, outlined the historical information about World War 1, the Russian Revolution, the civil war in China, the rise of fascism, World War 2, and the beginning of the Cold War.

The site is a credible and reliable source to get information in a creative and fun way!

And check out our [Broken World reflective class blog](#)!

Photo source: Judgment Day by [Jalsky](#) on Flickr, via a [Creative Commons Search](#).



Actions

- Join this Wiki
- Recent Changes
- Manage Wiki

Search

Navigation

[A Broken World Main Page](#)

[World War I](#)

[Links to Resources](#)

[History](#)

- 13.1 Stage is Set
- 13.2 War in Europe
- 13.3 World War
- 13.4 The Peace

- 14.1 Russian Revolution
- 14.2 Stalinism
- 14.3 Fall of Qing Dynasty
- 14.4 India and SWAsia

http://brokenworld.wikispaces.com/

zotero

salksperiodictable - Periodic Table

http://salksperiodictable.wikispaces.com/Periodic+Table

guest · [Join](#) · [Help](#) · [Sign In](#) · [wikispaces](#)

JONAS SALK
HIGH TECH ACADEMY

Redirectioned from the home page

Actions

- [Join this Wiki](#)
- [Recent Changes](#)
- [Manage Wiki](#)

Search

Navigation

NOMINATED
edubl3g
awards 2008
See wiki

Notice to Editors

Resources

Grading

Critique & Commentary

Visitors

Home

Actinium

Aluminum

Americium

Antimony

Argon

Arsenic

Astatine

Barium

Berkelium

Beryllium

Periodic Table





















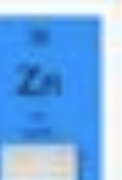

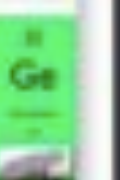











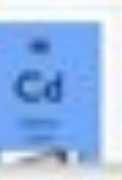

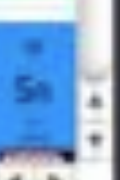
Protected

page

discussion (12)

history

notify me

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Alkali Metals	Alkaline Earth Metals	Transition Metals										Boron Group	Carbon Group
													
													
													
													
													

Transferring data from salksperiodictable.wikispaces.com

zotero

Bringing it Together

Salk's Periodic Table Project

Tuesday, July 7, 2009

salksperiodictable » Vanadium

http://salksperiodictable.wikispaces.com/Vanadium

joewood877 My Account Help Sign Out wikispaces

★ Vanadium Edit This Page page discussion (3) history notify me

Vanadium

Atomic Number: 23

Protons: 23

Electrons: 28

Neutrons: 23

Average Atomic Mass: 50.942 amu

Isotopes: V-47, V-48, V-49, V-50, V-51, V-52, V-53

Discovery: Vanadium was originally discovered by Andres Manuel Del Rio (a Spanish-born Mexican mineralogist) in Mexico City, in 1801.

Name: Andres Manuel Del Rio examined brown lead from Zimapan and conclude it contained a new metal similar to Chromium and Uranium. Because of the red color that its salts acquire on heating, he called it Erythronium. Before publishing he decided he was mistaken, and it was a lead chromate. In 1805 Collet-Descotils confirmed Del Rio's analysis as lead chromate. The element was named Vanadium because of the multi colored compounds. Vanadis, is a nickname for Freya, the goddess of beauty

Uses: Vanadium is used in producing rust resistant and high speed tools steels. It is an important carbide stabilizer in making steels. About 80% of the Vanadium now produced is used as ferrovanadium or as a steel additive. Vanadium foil is used as a bonding agent in cladding titanium to steel. Vanadium pentoxide is used in ceramics and as a catalyst. It is also used to produce a superconductive magnet with a field of

23
V
Vanadium
50.942

edublog awards 2008 best wiki

Notes to Editors
Resources
Grading
Critique & Commentary
Visitors
Home
Actinium
Aluminum
Americium
Antimony
Argon
Arsenic
Astatine
Barium
Berkelium
Bismuth

Find: next previous Highlight all Match case

Waiting for i2.yimg.com...

zotero



Most Recent Visitors

YouTube - Sodium - Periodic Table of Videos

http://www.youtube.com/watch?v=Yv5kXd_VYrk&url=http://cnn i report

YouTube Broadcast Yourself™ Worldwide | English Sign Up | QuickList (0) | Help | Sign In

Home Videos Channels Community Search Upload

Sodium - Periodic Table of Videos



0:36 / 4:41 watch in high quality

Rate: ★★★★★ 327 ratings Views: 172,327

Share Favorite Playlists Flag

Download MP4

Transferring data from v9.cache.googlevideo.com

BASED ON TRUE EVENTS
THE HAUNTING
IN CONNECTICUT
IN THEATERS MARCH 27

Some things cannot be explained.

CLICK TO WATCH TRAILER

HauntingInConnecticut.com

Advertisement

THE PERIODIC TABLE OF VIDEOS

periodicvideos
July 05, 2008
(more info)

Subscribe

Famously reactive, but for one scientist sodium is a "motherly" element? Videos about all the elements at <http://www.periodicvideos.com/>

URL: http://www.youtube.com/watch?v=Yv5kXd_VYrk

Embed: `<object width="425" height="344"><param src=`

Unit Format

- ✱ **Traditional Learning Activities**

- ✱ Direct Instruction
- ✱ Collaborative Reading with Interactive Notebooks
- ✱ Laboratory Activities

- ✱ **Technology Assignments**

- ✱ Moodle Discussion Forums & Quizzes
- ✱ Wiki Periodic Table Project



Content Standards

✱ 8th Grade Science

- 8.3: Atomic Structure
- 8.7: Periodic Table

✱ 8th Grade English Language Arts

- Reading Comprehension - Informational Materials
- Writing Applications & Strategies - Research Reports



Technology Standards

✱ **ISTE NETs**

- ✱ Research & Information Fluency
- ✱ Communication & Collaboration
- ✱ Digital Citizenship

✱ **21st Century Skills**

- ✱ Information & Media Literacy
- ✱ Communication & Collaboration
- ✱ Problem Solving



Marzano Instructional Strategies

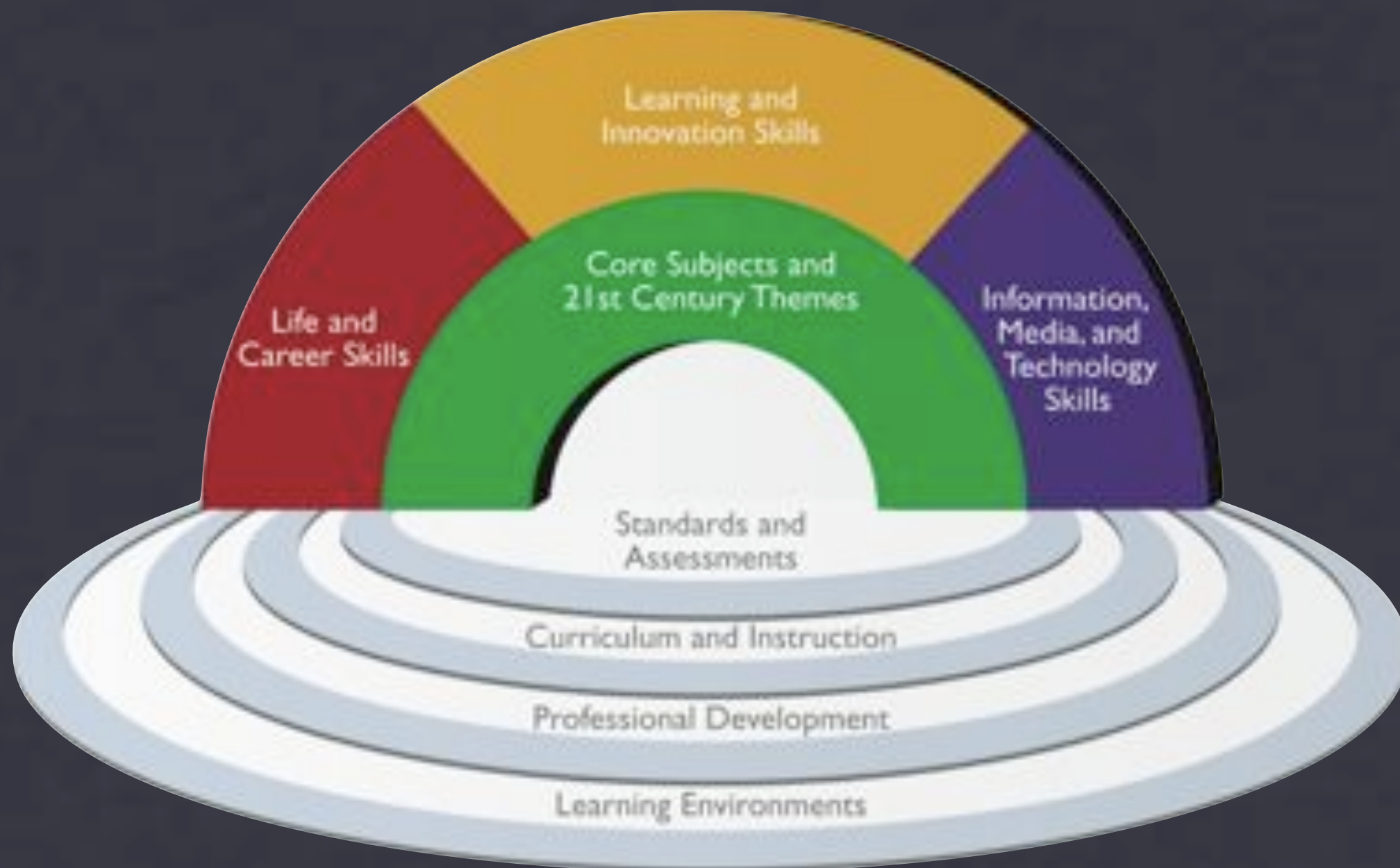
- * Summarizing & Note Taking
- * Reinforcing Effort & Providing Recognition
- * Identifying Similarities & Differences
- * Classifying & Comparing
- * Nonlinguistic Representations
- * Cooperative Learning
- * Cues, Questions, & Advanced Organizer
- * Setting Objectives & Providing Feedback




What does this all mean to me?



1. Identify & Leverage 21st Century Skills.



A close-up, low-angle shot of a person's head and shoulders in profile, facing right. They are wearing large, white over-ear headphones. Their gaze is directed at a laptop screen, which is tilted upwards and to the right. The screen displays a vibrant, high-contrast image of a city skyline at night, with a bright, glowing light source, possibly a fire or a large building, dominating the center. The overall lighting is dim, with the primary light sources being the screen and the ambient light from the headphones.

2. Discover methods for engaging students in their world.



3. What will we do when this is your classroom?

Why Google Earth?





